

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/112267 A1

(51) International Patent Classification⁷: H04B 1/38

(21) International Application Number:
PCT/KR2004/001478

(22) International Filing Date: 19 June 2004 (19.06.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
20-2003-0019379 19 June 2003 (19.06.2003) KR
20-2004-0017132 18 June 2004 (18.06.2004) KR

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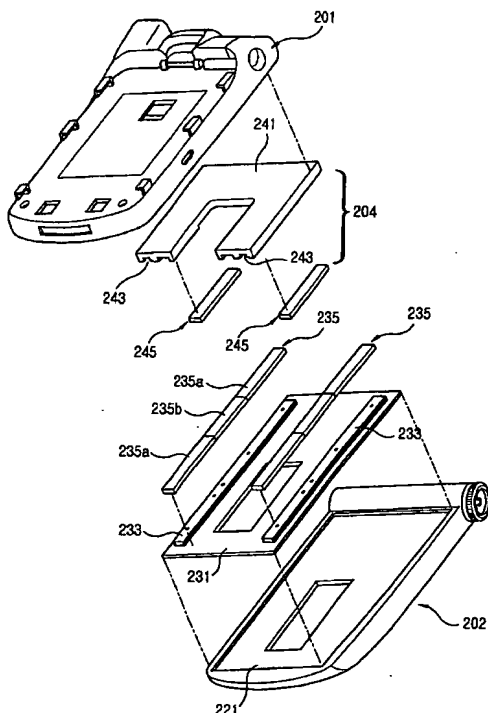
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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
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MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: DRIVING APPARATUS USING MAGNETIC SUBSTANCE FOR SLIDING TYPE PORTABLE WIRELESS TERMI-
NAL



(57) Abstract: A driving apparatus enables a sliding-type portable wireless terminal to be opened or closed with reduced noise and through multiple stages of opening. The portable wireless terminal may have various functions corresponding to each of the multiple stages. The driving apparatus comprises: a main body; a sub body sliding in a longitudinal direction of the main body, so as to be opened from or closed onto the main body; a first magnetic module provided at a rear surface of the sub body and having a first magnet, the first magnet having a first polarity and extending in a longitudinal direction of the first magnet; and a second magnetic module provided at a front surface of the main body and having a second magnet, the second magnet having a second polarity and being opposed to the first magnet.



(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

— with international search report

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001478

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H04B 1/38**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04B1/38, H04M 1/02, H04Q 7/32, H05K 5/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 2002-74870 A(SK TELETECH CO., LTD) 04. OCTOBER 2002 the hole document	1
A	JP 09-205476 A(HITACHI CO., LTD) 05. AUGUST 1997 the hole document	1
A	KR 2003-27212 A(SAMSUNG ELECTRONICS CO., LTD) 07. APRIL 2003 the hole document	1

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

22 SEPTEMBER 2004 (22.09.2004)

Date of mailing of the international search report

22 SEPTEMBER 2004 (22.09.2004)

Name and mailing address of the ISA/KR



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920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

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Telephone No. 82-42-481-5949



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001478

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2002-74870 A	04. 10. 2002	NONE	
JP 09-205476 A	05. 08. 1997	NONE	
KR 2003-27212 A	07. 04. 2003	NONE	